

Report Information

Award Type	Award Number	Prime DUNS	Calendar Year / Quarter	Final Report
Grant	DE-EE0000342	809855091	2011 / 2	No

Award Recipient Information

Recipient DUNS Number	809855091	Recipient Address 1	89 KINGS HWY
Recipient Account Number	S9031803	Recipient Address 2	
Recipient Congressional District	00	Recipient City	DOVER
Parent DUNS Number	042258020	Recipient State	DE
Recipient Type	2F.V2	Recipient ZIP Code + 4	199017305
Recipient Legal Name	NATURAL RESOURCES AND ENVIRONMENTAL CONTROL, DELAWARE DEPARTMENT OF	Recipient Country	USA
Recipient DBA Name			

Project / Award Information

Funding Agency Code	8900	Total Number of Sub Awards less than \$25,000/award	0
Awarding Agency Code	8900	Total Amount Sub Awards less than \$25,000/award	0.00
Program Source (TAS) Code	89-0331	Total Number of Sub Awards to Individuals	72
Sub Account Number for Program Source	331	Total Amount of Sub Awards to Individuals	701554.83
CFDA Number	81.041	Total Number of Payments to Vendors less than \$25,000/award	29
Amount of Award	24231000.00	Total Amount of Payments to Vendors less than \$25,000/award	16385.53
Award Date	07/20/2009		
Award Description	<p>Delaware proposes to use ARRA SEP funding, largely through the new Delaware Sustainable Energy Utility, in 4 program elements:</p> <ul style="list-style-type: none"> - Home energy efficiency – \$12M is dedicated to this element(an additional \$3.6M of additional investment leveraged through federal 30% tax credit for energy efficiency). This total amount of \$15.6M will allow 6,500-15,000 households to participate in the first year (range depends on financing level) and generate \$8M in annual savings. The average resident will save \$700-\$1,000 annually. Residential energy efficiency is labor intensive and has relatively low equipment costs, resulting in greater job creation than some other investments. The direct investment will generate 258 		

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new jobs, or 21.5 jobs per \$1M, while the leveraged federal tax credits will generate an additional 77 jobs (335 total).

- Business, commercial and manufacturing energy efficiency - \$4.7M is dedicated to this element (an additional \$1.4M of investment leveraged from the 30% federal tax credit for energy efficiency). This \$6.1M program will allow 500-1,000 businesses to participate and generate \$3-4.5M in annual savings. We estimate the direct investment in this project should create approximately 80 jobs (an estimated 17 jobs per \$1M). The leveraged Federal Tax credits will generate an additional 24 jobs (104 total). This project aligns with the Governor and DEDO's effort to reduce small business operating expenses.
- Statewide renewable energy funding – \$4.5M is dedicated to this element, which will leverage more than \$13.5M of private investment and 30% federal investment tax credit to allow for the installation of 2-3 MW of solar and other renewable energy projects in Delaware (e.g. ~650-700 3 KW systems). The direct spending will generate 25 jobs (5.6 jobs per \$1M), while the leveraged investment will generate 76 jobs (101 jobs total). (The jobs-to-investment ratio is lower for renewable energy than energy efficiency because of high system equipment costs.) Further, the relatively high system costs will allow fewer Delawareans to participate in the program (e.g., \$8,000 renewable energy system subsidy vs. \$1,500 energy efficiency subsidy).
- Energy efficiency in state facilities – \$1.8M is dedicated to this element to support

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efficiency upgrades in 20-50 schools that are currently ineligible for EECBG funding. This investment will generate an annual savings of more than \$1M and generate 31 jobs. Ideally, this funding will support larger energy efficiency initiatives by providing support for initial projects from which the savings can be reinvested in greater efficiency. If the schools partner with an energy efficiency provider they may be able to leverage the federal energy efficiency tax credits to expand the resources available. This program aligns with the Governor's efforts to ensure more resources are allocated to the classroom.

The objectives and goals include:

- Allow as many Delaware residents and businesses to reduce energy operating expenses. Goal: Annually upgrade ~6,500-15,000 houses & 500-1,000 businesses through SEP and ~5-10,000 households through weatherization program (~\$15-20M annual savings).
- Create jobs and economic opportunities for Delaware residents Goal: \$24 M of investment creates ~600 jobs. Reduce greenhouse gas emissions. Goal: Reduce GHG to 1990 levels by 2020 & 80% below 1990 by 2050; (SEP package= 1.5-3% reduction).
- Achieve energy conservation & efficiency targets in Delaware's proposed Energy Efficiency Resource Standards (EERS) Goal: Reduce electricity consumption by 15% by 2015 by providing access to efficiency programs and services (proportional reduction in CO2 emissions).
- Advance objectives identified in Governor's Energy Advisory

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Council. Goal: Carbon-neutral built environment by 2030. Increase use of renewable energy sources and advances clean tech innovation Goal: Advance achievement of 20% RPS earlier than 2019.

Project Information

Project Name or Project/ Program Title	State Energy Program	Activity Codes (NAICS or NTEE-NPC) (up to 10)
Quarterly Activities/ Project Description	The DNREC Delaware Energy Office continues to develop and market programs through the Sustainable Energy Utility (SEU). This quarter, the SEU continued coordinating discussions with DEO and the Delaware State Housing Authority regarding program requirements for the Multi-Family Loan program for energy efficiency projects in low-income housing units. Project work funded under the first Multi-Family Loan Program began in May. The residential revolving loan program was capitalized in June 2011. The SEU executed contracts during this quarter with AFC First Corporation to provide financing options for residential participants in the SEU financing programs. One residential loan has been executed and 38 applications are in various stages of review and approval. The first commercial and industrial loan was executed during this quarter. The residential energy efficiency program has	Activity Code 1 C05.02 Activity Code 2 Activity Code 3 Activity Code 4 Activity Code 5 Activity Code 6 Activity Code 7 Activity Code 8 Activity Code 9 Activity Code 10

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<p>approved over 2,000 rebates under this program. The residential lighting program has reported sales of over 740,000 bulbs utilizing the program mark-down with an incentive value of \$825,000. The program has 16 retailers that have signed onto the program representing over 68 retail stores in the state to include ACME markets, Home Depot, and Costco. The Home Performance with Energy Star Program has issued rebates totaling over \$886,954 and HVAC rebates total over \$1,232,700 to date. The Renewable Energy Program (Delaware Green Energy ARRA relief program) provided 115 grants for geothermal heat pumps, Photovoltaic Systems (PV), and Solar Hot Water Systems totaling over \$1,163,661.55 to date. No wind turbines have been funded under this program at this time. Applications for the incentives offered under the commercial and industrial program increased during this quarter with 244 applications received to date. Rebates under the Non-Residential Energy Efficiency Incentive Program were paid to 99 customers with a value of \$396,640.</p>	
Project Status	Less than 50% completed
Total Federal Amount ARRA Funds Received/ Invoiced	14231753.02
Number of Jobs	43.66
Description of Jobs Created	ARRA has helped to ensure the continuity of existing energy efficiency programs. Jobs created and retained, reported includes 5.35 administrative jobs within DEO for administrative activities, 27.21 jobs for Energy Efficiency Projects funded by the sub recipient (Electricians, Plumbing and Pipefitters), 11.1

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Total Federal Amount of ARRA Expenditure		jobs were created for renewable energy projects to include ground source heat pumps, PV systems and Solar Hot Water systems (Electricians, laborers) 14231753.02
Total Federal ARRA Infrastructure Expenditure		0.00
Infrastructure Purpose and Rationale		

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Infrastructure Contact

Name	NA	Street Address 1
Email		Street Address 2
Phone		Street Address 3
Ext		City
		State
		ZIP Code + 4

Primary Place of Performance

Address 1	DNREC Delaware Energy Office
Address 2	1203 College Park Drive
City	Dover
Country Code	US
State	DE
ZIP Code + 4	19904 - 8703
Congressional District	00

Recipient Highly Compensated Officers

Prime Recipient Indication of Reporting Applicability	No	Officer 3 Name
Officer 1 Name		Officer 3 Compensation
Officer 1 Compensation		Officer 4 Name
Officer 2 Name		Officer 4 Compensation
Officer 2 Compensation		Officer 5 Name
		Officer 5 Compensation

Report Audit Trail

Created By	Suzanne Sebastian
Date Created	07/13/2011 03:49 PM
Last Updated By	Suzanne Sebastian
Last Updated On	07/13/2011 03:49 PM

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Sub Recipient Information

Sub Recipient DUNS Number	832797497	Sub Recipient Address 1	5301 LIMESTONE RD STE 222
Sub Recipient Congressional District	00	Sub Recipient Address 2	
Sub Recipient Type	A8.VW	Sub Recipient City	WILMINGTON
Sub Recipient Legal Name	SUSTAINABLE ENERGY UTILITY, INC.	Sub Recipient State	DE
Sub Recipient DBA Name		Sub Recipient ZIP Code + 4	198081265
		Sub Recipient Country	USA

Sub Award Information

Sub Award Number SEU001
Amount of Sub Award 20000000.00
Total Sub Award Funds Disbursed 12455877.22
Sub Award Date 04/12/2010

Sub Recipient Place of Performance

Address 1 5301 Limestone Rd.
Address 2
City Wilmington
Country Code US
State DE
ZIP Code + 4 19808 - 1265
Congressional District 00

Sub Recipient Highly Compensated Officers

Prime Recipient Indication of Reporting Applicability	No	Officer 3 Name	
Officer 1 Name		Officer 3 Compensation	
Officer 1 Compensation		Officer 4 Name	
Officer 2 Name		Officer 4 Compensation	
Officer 2 Compensation		Officer 5 Name	
		Officer 5 Compensation	

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Vendor Information

Sub Award Number	SEU001	Payment Amount	1762527.00
Vendor DUNS Number	943275404	Product and Service	SEP ARRA Services and
Vendor Name	Applied Energy Group (AEG)	Description	Program Implementation
Vendor HQ ZIP Code + 4	19808 - 1265		

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Vendor Information

Sub Award Number	SEU001	Payment Amount	2162718.00
Vendor DUNS Number	943275404	Product and Service	SEP ARRA Services and
Vendor Name	Applied Energy Group (AEG)	Description	Program Implementation
Vendor HQ ZIP Code + 4	19808 - 1265		

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Vendor Information

Sub Award Number	SEU001	Payment Amount	801940.00
Vendor DUNS Number	943275404	Product and Service	SEP ARRA Services and
Vendor Name	Applied Energy Group (AEG)	Description	Program Implementation
Vendor HQ ZIP Code + 4	19808 - 1265		

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Vendor Information

Sub Award Number	Payment Amount	19182.00
Vendor DUNS Number	Product and Service	Leased office space
Vendor Name	Description	
Vendor HQ ZIP Code + 4		19904 - 3158

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Vendor Information

Sub Award Number	Payment Amount	49850.00
Vendor DUNS Number	Product and Service	Leased office space
Vendor Name	Description	
Vendor HQ ZIP Code + 4		19904 - 3158

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